

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hiroshi TOYAMA

Appln. No.: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: December 06, 2001

Examiner: Not Yet Assigned

For: TONER AND IMAGE FORMING APPARATUS USING THE SAME

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

4. An image forming apparatus comprising:

a latent image carrier on which an electrostatic latent image is formed; and

a developing device having a conductive developing roller for carrying a non-magnetic mono-component toner to develop the electrostatic latent image on said latent image carrier, a toner supply means for supplying said non-magnetic mono-component toner to said conductive developing roller, and a toner regulating means for regulating the non-magnetic mono-component toner to be carried toward said latent image carrier and charging said non-magnetic mono-component toner, wherein

said non-magnetic mono-component toner is a non-magnetic mono-component toner claimed in any one of claims 1 through 2.

8. A toner as claimed in any one of claims 5 through 6, being characterized in that the toner is a pulverized toner prepared by pulverization, and that at least one of a mold releasing agent and a pulverization assisting agent is used as one of said additives and the liberation ratio of the at least one of the mold releasing agent and the pulverization assisting agent liberated from the mother particles is set to be 0.4% or less.

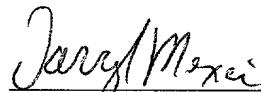
9. A toner as claimed in any one of claims 5 through 6, being characterized in that the toner is a polymerized toner prepared by polymerization, and that at least one of an initiator and a dispersant to be added for polymerization reaction is used as one of said additives and the liberation ratio of the at least one of the initiator and the dispersant from the mother particles is 0.3% or less.

10. An image forming apparatus comprising:
a latent image carrier on which an electrostatic latent image is formed; and
a developing device having a conductive developing carrying a toner to develop the electrostatic latent image on said latent image carrier, and a toner regulating means for regulating the toner to be carried toward said latent image carrier and charging said toner, wherein said toner is a toner claimed in any one of claims 5 through 6.

REMARKS

Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,



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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

The claims are amended as follows:

4. An image forming apparatus comprising:

a latent image carrier on which an electrostatic latent image is

formed; and

a developing device having a conductive developing roller for carrying a non-magnetic mono-component toner to develop the electrostatic latent image on said latent image carrier, a toner supply means for supplying said non-magnetic mono-component toner to said conductive developing roller, and a toner regulating means for regulating the non-magnetic mono-component toner to be carried toward said latent image carrier and charging said non-magnetic mono-component toner, wherein

said non-magnetic mono-component toner is a non-magnetic mono-component toner claimed on any one of claims 1 through 32.

8. A toner as claimed in any one of claims 5 through 76, being characterized in that the toner is a pulverized toner prepared by pulverization, and that at least one of mold releasing agent and a pulverization assisting agent is used as one of said additives and the liberation ration of the at least one of the mold releasing agent and the pulverization assisting agent liberated from the mother particles is set to be 0.4% or less.

9. A toner as claimed in any one of claims 5 through 76, being characterized in that the toner is a polymerized toner prepared by polymerization, and that at least one of an initiator and a dispersant to be added for polymerization reaction is used as one of said additives and the

liberation ratio of the at least one of the initiator and the dispersant from the mother particles is 0.3% or less.

10. An image forming apparatus comprising:

a latent image carrier on which an electrostatic latent image is formed; and

a developing device having a conductive developing carrying a toner to develop the electrostatic latent image on said latent image carrier, and a toner regulating means for regulating the toner to be carried toward said latent image carrier and charging said toner, wherein said toner is a toner claimed in any one of claims 5 through 9.6.